Brain Research, 503 (1989) 358–359
Elsevier

Author Index

Adem, A., Jossan, S.S., d'Argy, R., Gillberg, P.G., Nordberg, A., Winblad, B. and Sara, V., Insulin-like growth factor 1 (IGF-1) receptors in the human brain: quantitative autoradiographic localization, 299
Ågren, H., see Koulu, M., 246
Amano, N., see Yoshino, K., 152
Amir, S., Retinohypothalamic tract stimulation activates thermogenesis in brown adipose tissue in the rat, 163
Amri, M., Lamkadem, M. and Car, A., Activity of extrinsic tongue muscles during swallowing in sheep, 141
Andoh, S., see Yoshino, K., 152
Angel, I., Janowsky, A. and Paul, S.M., The effects of serotonergic and dopaminergic lesions on sodium-sensitive [^{3}H]mazindol binding in rat hypothalamus and corpus striatum, 339
Anwyl, R. and Mulkeen, D., The role of *N*-methyl-D-aspartate receptors in the generation of short-term potentiation in the rat hippocampus, 148
Arbuthnott, G.W., see Ingham, C.A., 334
Arissian, K., see Sakamoto, T., 258
Arnolde, S.M., see Nevins, M.E., 1
Asanuma, H., see Sakamoto, T., 258
Atlas, D., see Diamant, S., 55
Atlas, D., see Schwartz, L., 62
Avidor, R., Eilam, R., Malach, R. and Gozes, I., VIP-mRNA is increased in hypertensive rats, 304
Ayesta, F.J. and Nikolarakis, K.E., Peripheral but not intracerebroventricular corticotropin-releasing hormone (CRH) produces antinociception which is not opioid mediated, 219

Baker, M.L., see Flood, J.F., 73
Baumgarten, H.G., see Kaulen, P., 229
Bejelogrlic, N., see Koulu, M., 246
Bittman, E.L., see Tubbiola, M.L., 91
Blumberg, P.M., see Szallasi, A., 68
Brand, J.G., see Spielman, A.I., 326
Brüning, G., see Kaulen, P., 229

Callaway, J., see Morrison, S.F., 5
Car, A., see Amri, M., 141
Caspary, D.M. and Faingold, C.L., Non-*N*-methyl-D-aspartate receptors may mediate ipsilateral excitation at lateral superior olivary synapses, 83
Chang, H.T. and Kuo, H., Adrenergic innervation of the substantia innominata: co-localization of phenylethanolamine *N*-methyltransferase and tyrosine hydroxylase immunoreactivities within the same axons, 350
Connolly, P.B. and Resko, J.A., Progestins affect reproductive behavior and androgen receptor dynamics in male guinea pig brain, 312
Crawford, K., Terasawa, E. and Kaufman, P.L., Reproducible stimulation of ciliary muscle contraction in the cynomolgus monkey via a permanent indwelling midbrain electrode, 265

d'Argy, R., see Adem, A., 299
Davis, T.R., see Robinson, S.E., 32
DeFelipe, J., Hendry, S.H.C. and Jones, E.G., Synapses of double bouquet cells in monkey cerebral cortex visualized by calbindin immunoreactivity, 49
Diamant, S. and Atlas, D., Potentiation of [^{3}H]inositol phosphate formation by receptor activation and membrane depolarization in brain cortical slices (I), 55

Eilam, R., see Avidor, R., 304

Faingold, C.L., see Caspary, D.M., 83
Feder, H.H., see Thornton, J.E., 253
Flood, J.F., Baker, M.L., Hernandez, E.N. and Morley, J.E., Modulation of memory processing by neuropeptide Y varies with brain injection site, 73
François-Bellan, A.-M., Segu, L. and Héry, M., Regulation by estradiol of $GABA_A$ and $GABA_B$ binding sites in the diencephalon of the rat: an autoradiographic study, 144
Franke, C., see Zufall, F., 342
Frotscher, M., see Soriano, E., 170
Fukuda, A., see Ito, C., 44
Fults, D., Maness, P.F., Nakamura, Y. and White, R., The N-ras oncogene is activated in a human medulloblastoma cell line, 281
Fuster, J.M., see Quintana, J., 100

Gilippi, G.-M., see Petit, J., 181
Gillberg, P.G., see Adem, A., 299
Gillin, J.C., see Velazquez-Moctezuma, J., 128
Gioux, M., see Petit, J., 181
Goto, I., see Tanaka, K., 160
Gotoh, Y., see Shinozaki, H., 330
Gozes, I., see Avidor, R., 304
Gupta, R.K., see Schanne. F.A.X., 308
Gyenes, C.A., see Robinson, S.E., 32

Hatt, H., see Zufall, F., 342
Hendry, S.H.C., see DeFelipe, J., 49
Hernandez, E.N., see Flood, J.F., 73
Herndon, R.M., see Seil, F.J., 111
Herrera, D.G. and Robertson, H.A., Unilateral induction of *c-fos* protein in cortex following cortical devascularization, 205
Héry, M., see François-Bellan, A.-M., 144
Hoffman, P.L., see Valverius, P., 38
Hood, S.H., see Ingham, C.A., 334
Hozawa, J., see Usami, S.-i., 214

Ichinose, M., see Sawada, M., 167
Igarashi, M., see Usami, S.-i., 214
Ingham, C.A., Hood, S.H. and Arbuthnott, G.W., Spine density on neostriatal neurones changes with 6-hydroxydopamine lesions and with age, 334
Ishida, M., see Shinozaki, H., 330
Ito, C., Fukuda, A., Nabekura, J. and Oomura, Y., Acetylcholine causes nicotinic depolarization in rat dorsal motor nucleus of the vagus, in vitro, 44

Jakoubek, B., see Sumová, A., 273
Janowsky, A., see Angel, I., 339
Johnson, M.L., see Seil, F.J., 111
Jones, E.G., see DeFelipe, J., 49
Jones, T.E., see Yoshino, K., 152
Joo, F., see Szallasi, A., 68
Jossan, S.S., see Adem, A., 299

Kageyama, G.H. and Meyer, R.L., Glutamate-immunoreactivity in the retina and optic tectum of goldfish, 118
Kaufman, P.L., see Crawford, K., 265
Kaulen, P., Brüning, G., Schneider, H.H., Sarter, M. and Baumgarten, H.G., Autoradiographic mapping of a selective cyclic adenosine monophosphate phosphodiesterase in rat brain with the antidepressant [^{3}H]rolipram, 229
Kawagishi, S., see Yoshino, K., 152
Kobayashi, T., see Tanaka, K., 160
Koulu, M., Bejelogrlic, N., Ågren, H., Saavedra, J.M., Potter, W.Z. and Linnoila, M., Diurnal variation in the concentrations of catecholamines and indoleamines in the median eminence and in the intermediate and posterior lobes of the pituitary gland of the male rat, 246
Kramer, H.K., Sershen, H., Lajtha, A. and Reith, M.E.A., The effect of nicotine on catecholaminergic storage vesicles, 296
Krieger, A., see Sundaram, K., 22
Kuo, H., see Chang, H.T., 350
Kwak, S., see Shinozaki, H., 330

Laguzzi, R., see Le Galloudec, E., 322
Lajtha, A., see Kramer, H.K., 296
Lamkadem, M., see Amri, M., 141
Laporte, Y., see Petit, J., 181
Le Galloudec, E., Merahi, N. and Laguzzi, R., Cardiovascular changes induced by the local application of glutamate-related drugs in the rat nucleus tractus solitarii, 322
Leah, J.D., see White, D.M., 198
Leibowitz, S.F., Weiss, F.G., Walsh, U.A. and Viswanath, D., Medial hypothalamic serotonin: role in circadian patterns of feeding and macronutrient selection, 132
Linnoila,, M., see Koulu, M., 246
Lowy, M.T., Quantification of type I and II adrenal steroid receptors in neuronal, lymphoid and pituitary tissues, 191

MacDonald, J.F., see Spielman, A.I., 326
Maeno, T., see Sawada, M., 167

Brain Research, 503 (1989) 358–359
Elsevier

Author Index

Adem, A., Jossan, S.S., d'Argy, R., Gillberg, P.G., Nordberg, A., Winblad, B. and Sara, V., Insulin-like growth factor 1 (IGF-1) receptors in the human brain: quantitative autoradiographic localization, 299
Ågren, H., see Koulu, M., 246
Amano, N., see Yoshino, K., 152
Amir, S., Retinohypothalamic tract stimulation activates thermogenesis in brown adipose tissue in the rat, 163
Amri, M., Lamkadem, M. and Car, A., Activity of extrinsic tongue muscles during swallowing in sheep, 141
Andoh, S., see Yoshino, K., 152
Angel, I., Janowsky, A. and Paul, S.M., The effects of serotonergic and dopaminergic lesions on sodium-sensitive [^{3}H]mazindol binding in rat hypothalamus and corpus striatum, 339
Anwyl, R. and Mulkeen, D., The role of *N*-methyl-D-aspartate receptors in the generation of short-term potentiation in the rat hippocampus, 148
Arbuthnott, G.W., see Ingham, C.A., 334
Arissian, K., see Sakamoto, T., 258
Arnolde, S.M., see Nevins, M.E., 1
Asanuma, H., see Sakamoto, T., 258
Atlas, D., see Diamant, S., 55
Atlas, D., see Schwartz, L., 62
Avidor, R., Eilam, R., Malach, R. and Gozes, I., VIP-mRNA is increased in hypertensive rats, 304
Ayesta, F.J. and Nikolarakis, K.E., Peripheral but not intracerebroventricular corticotropin-releasing hormone (CRH) produces antinociception which is not opioid mediated, 219

Baker, M.L., see Flood, J.F., 73
Baumgarten, H.G., see Kaulen, P., 229
Bejelogrlic, N., see Koulu, M., 246
Bittman, E.L., see Tubbiola, M.L., 91
Blumberg, P.M., see Szallasi, A., 68
Brand, J.G., see Spielman, A.I., 326
Brüning, G., see Kaulen, P., 229

Callaway, J., see Morrison, S.F., 5
Car, A., see Amri, M., 141
Caspary, D.M. and Faingold, C.L., Non-*N*-methyl-D-aspartate receptors may mediate ipsilateral excitation at lateral superior olivary synapses, 83
Chang, H.T. and Kuo, H., Adrenergic innervation of the substantia innominata: co-localization of phenylethanolamine *N*-methyltransferase and tyrosine hydroxylase immunoreactivities within the same axons, 350
Connolly, P.B. and Resko, J.A., Progestins affect reproductive behavior and androgen receptor dynamics in male guinea pig brain, 312
Crawford, K., Terasawa, E. and Kaufman, P.L., Reproducible stimulation of ciliary muscle contraction in the cynomolgus monkey via a permanent indwelling midbrain electrode, 265

d'Argy, R., see Adem, A., 299
Davis, T.R., see Robinson, S.E., 32
DeFelipe, J., Hendry, S.H.C. and Jones, E.G., Synapses of double bouquet cells in monkey cerebral cortex visualized by calbindin immunoreactivity, 49
Diamant, S. and Atlas, D., Potentiation of [^{3}H]inositol phosphate formation by receptor activation and membrane depolarization in brain cortical slices (I), 55

Eilam, R., see Avidor, R., 304

Faingold, C.L., see Caspary, D.M., 83
Feder, H.H., see Thornton, J.E., 253
Flood, J.F., Baker, M.L., Hernandez, E.N. and Morley, J.E., Modulation of memory processing by neuropeptide Y varies with brain injection site, 73
François-Bellan, A.-M., Segu, L. and Héry, M., Regulation by estradiol of $GABA_A$ and $GABA_B$ binding sites in the diencephalon of the rat: an autoradiographic study, 144
Franke, C., see Zufall, F., 342
Frotscher, M., see Soriano, E., 170
Fukuda, A., see Ito, C., 44
Fults, D., Maness, P.F., Nakamura, Y. and White, R., The N-ras oncogene is activated in a human medulloblastoma cell line, 281
Fuster, J.M., see Quintana, J., 100

Gilippi, G.-M., see Petit, J., 181
Gillberg, P.G., see Adem, A., 299
Gillin, J.C., see Velazquez-Moctezuma, J., 128
Gioux, M., see Petit, J., 181
Goto, I., see Tanaka, K., 160
Gotoh, Y., see Shinozaki, H., 330
Gozes, I., see Avidor, R., 304
Gupta, R.K., see Schanne. F.A.X., 308
Gyenes, C.A., see Robinson, S.E., 32

Hatt, H., see Zufall, F., 342
Hendry, S.H.C., see DeFelipe, J., 49
Hernandez, E.N., see Flood, J.F., 73
Herndon, R.M., see Seil, F.J., 111
Herrera, D.G. and Robertson, H.A., Unilateral induction of *c-fos* protein in cortex following cortical devascularization, 205
Héry, M., see François-Bellan, A.-M., 144
Hoffman, P.L., see Valverius, P., 38
Hood, S.H., see Ingham, C.A., 334
Hozawa, J., see Usami, S.-i., 214

Ichinose, M., see Sawada, M., 167
Igarashi, M., see Usami, S.-i., 214
Ingham, C.A., Hood, S.H. and Arbuthnott, G.W., Spine density on neostriatal neurones changes with 6-hydroxydopamine lesions and with age, 334
Ishida, M., see Shinozaki, H., 330
Ito, C., Fukuda, A., Nabekura, J. and Oomura, Y., Acetylcholine causes nicotinic depolarization in rat dorsal motor nucleus of the vagus, in vitro, 44

Jakoubek, B., see Sumová, A., 273
Janowsky, A., see Angel, I., 339
Johnson, M.L., see Seil, F.J., 111
Jones, E.G., see DeFelipe, J., 49
Jones, T.E., see Yoshino, K., 152
Joo, F., see Szallasi, A., 68
Jossan, S.S., see Adem, A., 299

Kageyama, G.H. and Meyer, R.L., Glutamate-immunoreactivity in the retina and optic tectum of goldfish, 118
Kaufman, P.L., see Crawford, K., 265
Kaulen, P., Brüning, G., Schneider, H.H., Sarter, M. and Baumgarten, H.G., Autoradiographic mapping of a selective cyclic adenosine monophosphate phosphodiesterase in rat brain with the antidepressant [^{3}H]rolipram, 229
Kawagishi, S., see Yoshino, K., 152
Kobayashi, T., see Tanaka, K., 160
Koulu, M., Bejelogrlic, N., Ågren, H., Saavedra, J.M., Potter, W.Z. and Linnoila, M., Diurnal variation in the concentrations of catecholamines and indoleamines in the median eminence and in the intermediate and posterior lobes of the pituitary gland of the male rat, 246
Kramer, H.K., Sershen, H., Lajtha, A. and Reith, M.E.A., The effect of nicotine on catecholaminergic storage vesicles, 296
Krieger, A., see Sundaram, K., 22
Kuo, H., see Chang, H.T., 350
Kwak, S., see Shinozaki, H., 330

Laguzzi, R., see Le Galloudec, E., 322
Lajtha, A., see Kramer, H.K., 296
Lamkadem, M., see Amri, M., 141
Laporte, Y., see Petit, J., 181
Le Galloudec, E., Merahi, N. and Laguzzi, R., Cardiovascular changes induced by the local application of glutamate-related drugs in the rat nucleus tractus solitarii, 322
Leah, J.D., see White, D.M., 198
Leibowitz, S.F., Weiss, F.G., Walsh, U.A. and Viswanath, D., Medial hypothalamic serotonin: role in circadian patterns of feeding and macronutrient selection, 132
Linnoila,, M., see Koulu, M., 246
Lowy, M.T., Quantification of type I and II adrenal steroid receptors in neuronal, lymphoid and pituitary tissues, 191

MacDonald, J.F., see Spielman, A.I., 326
Maeno, T., see Sawada, M., 167

Malach, R., see Avidor, R., 304
Maness, P.F., see Fults, D., 281
Martin, R.M., see Robinson, S.E., 32
Mass, M.K., see Seil, F.J., 111
McClean, M.D., Gain and spatial characteristics of human lip-muscle reflexes, 16
McEwen, B.S., see Thornton, J.E., 253
McKeon, R.J., Vietje, B.P. and Wells, J., Increase in acetylcholinesterase in the molecular layer of the dentate gyrus in the absence of septal inputs following selective granule cell lesions, 317
McMahon, F.J., Moran, T.H. and Robinson, R.G., Hyperactivity following posterior cortical injury is lateralized, sensitive to lesion size and independent of the nigrostriatal dopamine system, 185
Merahi, N., see Le Galloudec, E., 322
Meyer, R.L., see Kageyama, G.H., 118
Milner, T.A., see Morrison, S.F., 5
Mody, I., see Spielman, A.I., 326
Moran, T.H., see McMahon, F.J., 185
Morley, J.E., see Flood, J.F., 73
Morrison, S.F., Callaway, J., Milner, T.A. and Reis, D.J., Glutamate in the spinal sympathetic intermediolateral nucleus: localization by light and electron microscopy, 5
Moskal, J.R., see Schanne, F.A.X., 308
Mulkeen, D., see Anwyl, R., 148
Murphy, K., see Robertson, H.A., 346
Murugaian, J., see Sundaram, K., 22

Nabekura, J., see Ito, C., 44
Nagara, H., see Tanaka, K., 160
Nakamura, Y., see Fults, D., 281
Nevins, M.E. and Arnolde, S.M., A comparison of the anticonvulsant effects of competitive and non-competitive antagonists of the *N*-methyl-D-aspartate receptor, 1
Nikolarakis, K.E., see Ayesta, F.J., 219
Nock, B., see Thornton, J.E., 253
Nock, B., see Tubbiola, M.L., 91
Nordberg, A., see Adem, A., 299
Norman, A.B., Thomas, S.R., Pratt, R.G., Samaratunga, R.C. and Sanberg, P.R., A magnetic resonance imaging contrast agent differentiates between the vascular properties of fetal striatal tissue transplants and gliomas in the rat brain in vivo, 156

Oomura, Y., see Ito, C., 44

Paul, S.M., see Angel, I., 339
Peris, J., Wehner, J.M. and Zahniser, N.R., [^{35}S]TBPS binding sites are decreased in the colliculi of mice with a genetic predisposition to bicuculline-induced seizures, 288
Peterson, M.R., see Robertson, H.A., 346
Petit, J., Gilippi, G.-M., Gioux, M. and Laporte, Y., Does stimulation of sympathetic axons elicit an increase in cat spindle afferent discharge detectable by the antidromic collision technique?, 181
Potter, W.Z., see Koulu, M., 246
Pratt, R.G., see Norman, A.B., 156
Pritz, M.B. and Stritzel, M.E., Reptilian dorsal column nucleus lacks GAD-immunoreactive neurons, 175

Quintana, J., Fuster, J.M. and Yajeya, J., Effects of cooling parietal cortex on prefrontal units in delay tasks, 100

Reis, D.J. see Morrison, S.F., 5
Reith, M.E.A., see Kramer, H.K., 296
Resko, J.A., see Connolloy, P.B., 312
Robertson, G.S., see Robertson, H.A., 346
Robertson, H.A., Peterson, M.R., Murphy, K. and Robertson G.S., D_1-dopamine receptor agonists selectively activate striatal c-*fos* independent of rotational behaviour, 346
Robertson, H.A., see Herrera, D.G., 205
Robinson, R.G., see McMahon, F.J., 185
Robinson, S.E., Ryland, J.E., Martin, R.M., Gyenes, C.A. and Davis, T.R., The effects of morphine and traumatic brain injury on central cholinergic neurons, 32
Ryland, J.E., see Robinson, S.E., 32

Saavedra, J.M., see Koulu, M., 246
Sakamoto, T., Arissian, K. and Asanuma, H., Functional role of the sensory cortex in learning motor skills in cats, 258
Salter, M.W., see Spielman, A.I., 326
Samaratunga, R.C., see Norman, A.B., 156
Sanberg, P.R., see Norman, A.B., 156
Saneto, R.P., see Seil, F.J., 111
Sapru, H., see Sundaram, K., 22
Sara, V., see Adem, A., 299
Sarter, M., see Kaulen, P., 229
Sawada, M., Ichinose, M. and Maeno, T., Intracellularly injected inositol 1,3,4,5,6-pentakisphosphate induces a slow inward current in identified neurons of *Aplysia kurodai*, 167
Schanne, F.A.X., Moskal, J.R. and Gupta, R.K., Effect of lead on intracellular free calcium ion concentration in a presynaptic neuronal model: ^{19}F-NMR study of NG108-15 cells, 308
Schneider, H.H., see Kaulen, P., 229
Schwartz, L. and Atlas, D., Synergy between membrane depolarization and muscarinic receptor activation leads to potentiation of neurotransmitter release (II), 62
Segu, L., see François-Bellan, A.-M., 144
Seil, F.J., Johnson, M.L., Saneto, R.P., Herndon, R.M. and Mass, M.K., Myelination of axons within cytosine arabinoside treated mouse cerebellar explants by cultured rat oligodendrocytes, 111
Sershen, H., see Kramer, H.K., 296
Shinozaki, H., Ishida, M., Gotoh, Y. and Kwak, S., Specific lesions of rat spinal interneurons induced by systemic administration of acromelic acid, a new potent kainate analogue, 330
Shiromani, P.J., see Velazques-Moctezuma, J., 128
Smith, S.S., Estrogen administration increases neuronal responses to excitatory amino acids as a long-term effect, 354
Soriano, E. and Frotscher, M., A GABAergic axo-axonic cell in the fascia dentata controls the main excitatory hippocampal pathway, 170
Spielman, A.I., Mody, I., Brand, J.G., Whitney, G., MacDonald, J.F. and Salter, M.W., A method for isolating and patch-clamping single mammalian taste receptor cells, 326
Stritzel, M.E., see Pritz, M.B., 175
Sumová, A. and Jakoubek, B., Analgesia and impact induced by anticipation stress: involvement of the endogenous opioid peptide system, 273
Sundaram, K., Murugaian, J., Krieger, A. and Sapru, H., Microinjections of cholinergic agonists into the intermediolateral cell column of the spinal cord at T1–T3 increase heart rate and contractility, 22
Suzuki, K., see Tanaka, K., 160
Szallasi, A., Joo, F. and Blumberg, P.M., Duration of desensitization and ultrastructural changes in dorsal root ganglia in rat treated with resiniferatoxin, and ultrapotent capsaicin analog, 68

Tabakoff, B., see Valverius, P., 38
Tanaka, K., Nagara, H., Kobayashi, T., Goto, I. and Suzuki, K., The twitcher mouse: attenuated processes of Schwann cells in unmyelinated fibers, 160
Tazawa, M., see Usami, S.-i., 214
Terasawa, E., see Crawford, K., 265
Thomas, S.R., see Norman, A.B., 156
Thompson, G.C., see Usami, S.-i., 214
Thornton, J.E., Nock, B., Feder, H.H. and McEwen, B.S., Sex differences in cytosolic progestin receptors in microdissected regions of the hypothalamus/preoptic area of guinea pigs, 253
Tiligada, E. and Wilson, J.F., Regulation of α-melanocyte-stimulating hormone release from superfused slices of rat hypothalamus by serotonin and the interaction of serotonin with the dopaminergic system inhibiting peptide release, 225
Tubbiola, M.L., Nock, B. and Bittman, E.L., Photoperiodic changes in opiate binding and their functional implications in golden hamsters, 91

Usami, S.-i., Hozawa, J., Tazawa, M., Igarashi, M., Thompson, G.C., Wu, J.-Y. and Wenthold, R.J., Immunocytochemical study of the GABA system in chicken vestibular endorgans and the vestibular ganglion, 214

Valverius, P., Hoffman, P.L. and Tabakoff, B., Brain forskolin binding in mice dependent on and tolerant to ethanol, 38
Velazquez-Moctezuma, J., Gillin, J.C. and Shiromani, P.J., Effect of specific M1, M2 muscarinic receptor agonists on REM sleep generation, 128
Vietje, B.P., see McKeon, R.J., 317
Viswanath, D., see Leibowitz, S.F., 132

Walsh, U.A., see Leibowitz, S.F., 132
Wehner, J.M., see Peris, J., 288
Weiss, F.G., see Leibowitz, S.F., 132
Wells, J., see McKeon, R.J., 317
Wenthold, R.J., see Usami, S.-i., 214
White, D.M., Leah, J.D. and Zimmermann, M., The localization and release of

substance P and calcitonin gene-related peptide at nerve fibre endings in rat cutaneous nerve neuroma, 198
White, R., see Fults, D., 281
Whitney, G., see Spielman, A.I., 326
Wilson, J.F., see Tiligada, E., 225
Winblad, B., see Adem, A., 299
Wu, J.-Y., see Usami, S.-i., 214
Yajeya, J., see Quintana, J., 100
Yamauchi, M., see Yoshino, K., 152
Yoshino, K., Andoh, S., Kawagishi, S., Yamauchi, M., Jones, T.E. and Amano, N., Innervation of the tooth pulp by the mesencephalic trigeminal nucleus in the cat: a retrograde horseradish peroxidase study, 152
Zahniser, N.R., see Peris, J., 288
Zimmermann, M., see White, D.M., 198
Zufall, F., Franke, C. and Hatt, H., Similarities between the effects of lindane (γ-HCH) and picrotoxin on ligand-gated chloride channels in crayfish muscle membrane, 342

(contents continued)

A method for isolating and patch-clamping single mammalian taste receptor cells
A.I. Spielman, I. Mody, J.G. Brand, G. Whitney, J.F. MacDonald and M.W. Salter (U.S.A., Canada) 326
Specific lesions of rat spinal interneurons induced by systemic administration of acromelic acid, a new potent kainate analogue
H. Shinozaki, M. Ishida, Y. Gotoh and S. Kwak (Japan) 330
Spine density on neostriatal neurones changes with 6-hydroxydopamine lesions and with age
C.A. Ingham, S.H. Hood and G.W. Arbuthnott (U.K.) 334
The effects of serotonergic and dopaminergic lesions on sodium-sensitive [^{3}H]mazindol binding in rat hypothalamus and corpus striatum
I. Angel, A. Janowsky and S.M. Paul (U.S.A.) 339
Similarities between the effects of lindane (γ-HCH) and picrotoxin on ligand-gated chloride channels in crayfish muscle membrane
F. Zufall, C. Franke and H. Hatt (F.R.G.) 342
D_1-dopamine receptor agonists selectively activate striatal c-*fos* independent of rotational behaviour
H.A. Robertson, M.R. Peterson, K. Murphy and G.S. Robertson (Canada) 346
Adrenergic innervation of the substantia innominata: co-localization of phenylethanolamine *N*-methyltransferase and tyrosine hydroxylase immunoreactivities within the same axons
H.T. Chang and H. Kuo (U.S.A.) 350
Estrogen administration increases neuronal responses to excitatory amino acids as a long-term effect
S.S. Smith (U.S.A.) 354

Author Index 358